EIC Search

MRY

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=> fil reg
FILE 'REGISTRY' ENTERED AT 08:37:59 ON 15 OCT 2008
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   13 OCT 2008  HIGHEST RN 1060965-68-5
DICTIONARY FILE UPDATES:  13 OCT 2008  HIGHEST RN 1060965-68-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> d que stat l4
L3              STR
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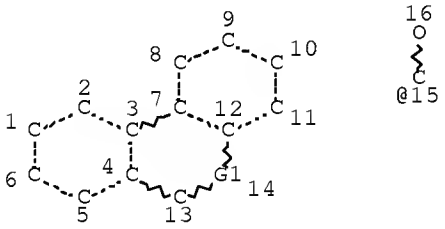


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VAR G1=O/S/15/SI/N/B/P
NODE ATTRIBUTES:
CONNECT IS E1  RC AT  16
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  16

STEREO ATTRIBUTES: NONE
L4        37276 SEA FILE=REGISTRY SSS FUL L3

100.0% PROCESSED  1333772 ITERATIONS  (     3 INCOMPLETE)    37276 ANSWERS
SEARCH TIME: 00.00.14


=> d que stat l12
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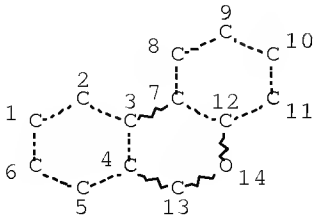
L12 STR



NODE ATTRIBUTES:
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CONNECT IS E2 R AT 9
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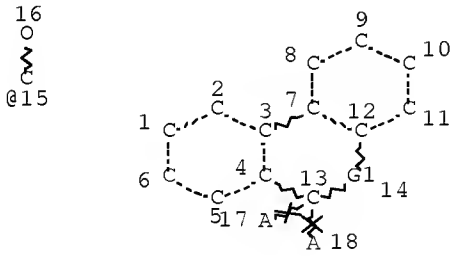
CONNECT IS E2 R AT 11
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

=> d que stat l20
L20 STR



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NODE ATTRIBUTES:
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CONNECT IS E1 RC AT 16
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  18

STEREO ATTRIBUTES: NONE


=> d his

     (FILE 'HOME' ENTERED AT 08:18:32 ON 15 OCT 2008)

     FILE 'HCAPLUS' ENTERED AT 08:19:16 ON 15 OCT 2008
                E US20080138651/PN
L1            1 S E3
                SEL RN

     FILE 'REGISTRY' ENTERED AT 08:19:33 ON 15 OCT 2008
L2           36 S E1-36
                ACT YAM937/A
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L3               STR
L4        37276 SEA FILE=REGISTRY SSS FUL L3
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L5           24 S L2 AND L4

     FILE 'LREGISTRY' ENTERED AT 08:20:38 ON 15 OCT 2008
L6               STR L3

     FILE 'REGISTRY' ENTERED AT 08:23:15 ON 15 OCT 2008
L7           50 S L6 SSS SAM SUB=L4
L8              SCR 2043
L9            6 S L6 AND L8 SSS SAM SUB=L4

     FILE 'LREGISTRY' ENTERED AT 08:25:08 ON 15 OCT 2008
L10              STR L3

     FILE 'REGISTRY' ENTERED AT 08:27:45 ON 15 OCT 2008
L11           7 S L10 AND L8 SSS SAM SUB=L4
L12             STR L10
L13           2 S L12 AND L8 SSS SAM SUB=L4
L14          25 S L12 AND L8 SSS FUL SUB=L4
                SAV L14 YAM937S1/A
L15          12 S L2 AND L14

     FILE 'HCAPLUS' ENTERED AT 08:30:13 ON 15 OCT 2008
L16           8 S L5
L17           8 S L14
L18          13 S L16 OR L17
L19           6 S L18 AND (PY<=2002 OR PRY<=2002 OR AY<=2002)

     FILE 'LREGISTRY' ENTERED AT 08:31:30 ON 15 OCT 2008
L20              STR L10

     FILE 'REGISTRY' ENTERED AT 08:33:21 ON 15 OCT 2008
L21          50 S L20 SSS SAM SUB=L4
L22           2 S L20 AND L8 SSS SAM SUB=L4
L23          30 S L20 AND L8 SSS FUL SUB=L4
                SAV L23 YAM937S2/A
L24          13 S L23 NOT L14
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     FILE 'HCAPLUS' ENTERED AT 08:35:41 ON 15 OCT 2008
L25           4 S L24
L26           1 S L25 AND (PY<=2002 OR PRY<=2002 OR AY<=2002)


=> fil hcap
FILE 'HCAPLUS' ENTERED AT 08:38:12 ON 15 OCT 2008
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FILE COVERS 1907 - 15 Oct 2008  VOL 149 ISS 16
FILE LAST UPDATED: 14 Oct 2008  (20081014/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> d ibib abs hitstr hitind l19 1-6

L19  ANSWER 1 OF 6  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        2004:392502  HCAPLUS  Full-text
DOCUMENT NUMBER:         140:415047
TITLE:                   High-molecular compounds and polymer
                         light-emitting devices made by using the same
INVENTOR(S):             Doi, Shuji; Kobayashi, Satoshi; Noguchi,
                         Takanobu
PATENT ASSIGNEE(S):      Sumitomo Chemical Company, Limited, Japan
SOURCE:                  PCT Int. Appl., 131 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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     WO 2004039859        A1    20040513    WO 2003-JP12697
                                                                   200310
                                                                   03
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         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,
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GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2004168999 A 20040617 JP 2003-343244 200310 01
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AU 2003268752 A1 20040525 AU 2003-268752 200310 03
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EP 1571170 A1 20050907 EP 2003-748697 200310 03
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US 20080138651 A1 20080612 US 2005-532937 200504 28
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PRIORITY APPLN. INFO.: JP 2002-315516 A 200210 30
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WO 2003-JP12697 W 200310 03

OTHER SOURCE(S): MARPAT 140:415047

GI

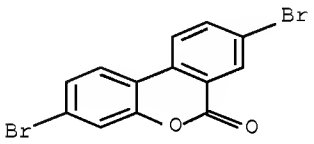
II

AB The invention relates to a high-mol. compds. comprising repeating units represented by the general formula I or II and having number-average mol. wts. of 103-108 in terms of polystyrene: (1) [wherein Ar1 and Ar2 are each independently a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group; and X1 and X2 are each independently O, S, C(= O), S(= O), SO2, C(R1)(R2), Si(R3)(R4), N(R5), B(R6), P(R7), or P(= O)(R8), with the provisos that X1 and X2 must not be the same and that X1 and Ar2 are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar1, and X2 and Ar1 are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar2] (2) [wherein Ar3 and Ar4 are each independently a trivalent aromatic hydrocarbon group or a trivalent heterocyclic group; and X3 and X4 are each independently N, B, P, C(R9), or Si(R10), with the provisos

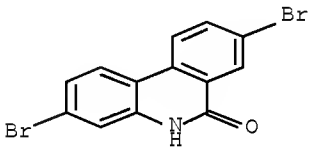
that X3 and X4 must not be the same and that X3 and Ar4 are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar3, and X4 and Ar3 are bonded resp. to the adjacent carbon atoms constituting the aromatic ring of Ar4].

IT 18102-99-3P 23818-37-3P 688013-66-3P
688013-67-4P 688013-68-5P 688013-69-6P
688013-70-9P 688013-71-0P 688013-72-1P
688013-75-4P 688013-76-5P 688013-77-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(high-mol. compds. and polymer light emitting devices made by using the same)

RN 18102-99-3 HCAPLUS
CN 6H-Dibenzo[b,d]pyran-6-one, 3,8-dibromo- (CA INDEX NAME)



RN 23818-37-3 HCAPLUS
CN 6(5H)-Phenanthridinone, 3,8-dibromo- (CA INDEX NAME)



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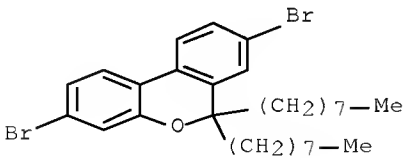
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl- (CA INDEX NAME)



RN 688013-67-4 HCAPLUS
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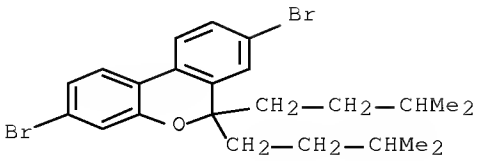
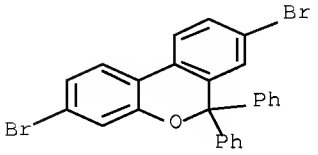
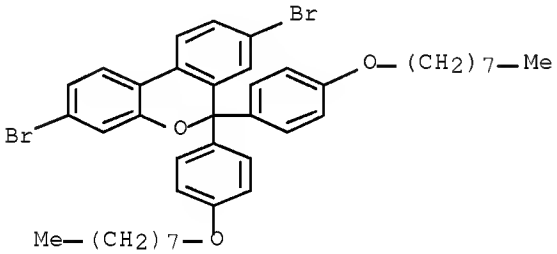


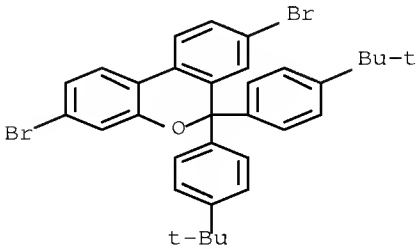
RN 688013-68-5 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-diphenyl- (CA INDEX NAME)



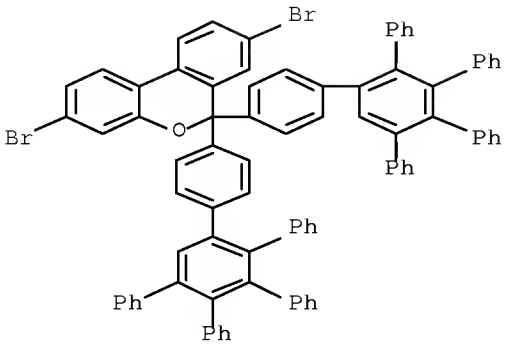
RN 688013-69-6 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]- (CA INDEX NAME)



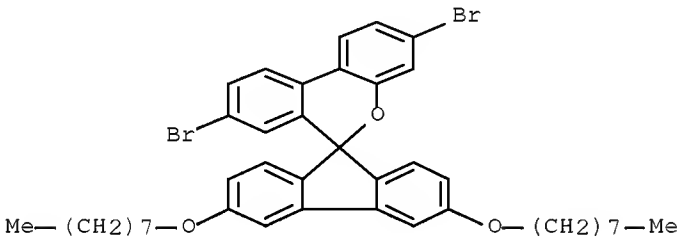
RN 688013-70-9 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)



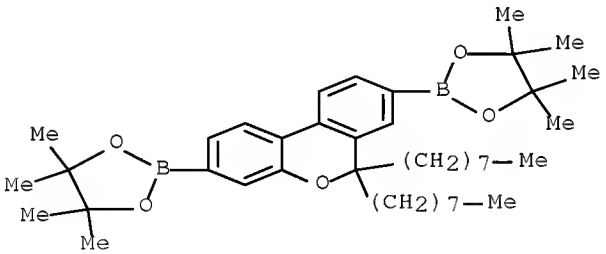
RN 688013-71-0 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis(3',4',5'-triphenyl[1,1':2',1''-terphenyl]-4-yl)- (9CI) (CA INDEX NAME)



RN 688013-72-1 HCAPLUS
CN Spiro[6H-dibenzo[b,d]pyran-6,9'-[9H]fluorene], 3,8-dibromo-3',6'-bis(octyloxy)- (CA INDEX NAME)



RN 688013-75-4 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 6,6-dioctyl-3,8-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)- (CA INDEX NAME)



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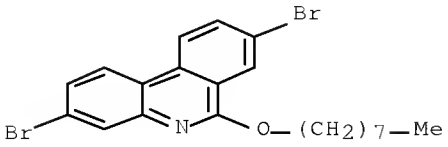
CN Phenanthridine, 3,8-dibromo-6-(octyloxy)- (CA INDEX NAME)



RN 688013-77-6 HCAPLUS
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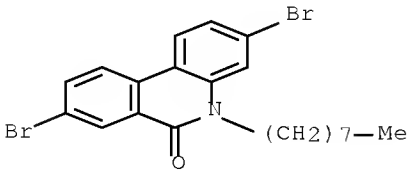
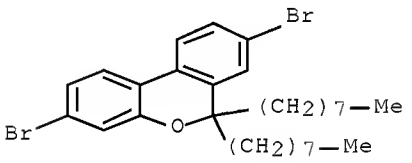


IT 688013-78-7P 688013-79-8P 688013-80-1P
688013-81-2P 688013-83-4P 688013-84-5P
688013-85-6DP, p-Tolyl terminated 688013-85-6P
688013-86-7P 688013-87-8P 688013-88-9P
688013-89-0P 688013-90-3P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(high-mol. compds. and polymer light emitting devices made by using the same)

RN 688013-78-7 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

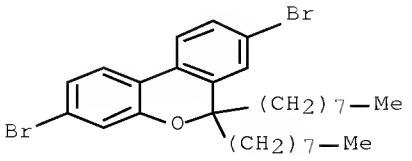
CRN 688013-66-3
CMF C29 H40 Br2 O



RN 688013-79-8 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 1,4-dibromo-2,5-bis(decyloxy)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



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CRN 152269-98-2
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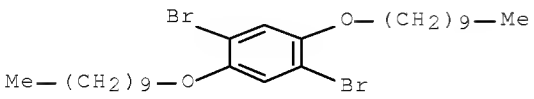
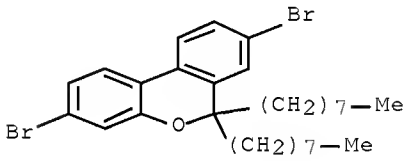


RN 688013-80-1 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzothiophene (9CI) (CA INDEX NAME)

CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



CM 2

CRN 599212-67-6
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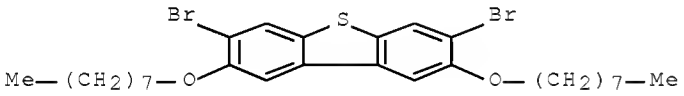
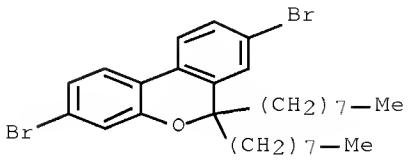


RN 688013-81-2 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzofuran (9CI) (CA INDEX NAME)

CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



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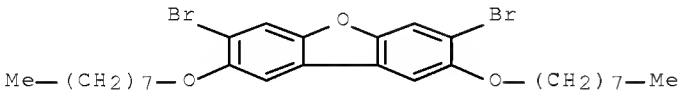

RN 688013-83-4 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-dioctyl-, polymer with 1,1'-(1,2-ethenediyl)bis[4-bromo-3-(decyloxy)benzene] (9CI) (CA INDEX NAME)

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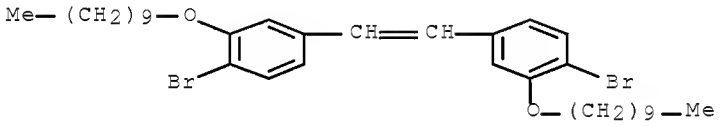
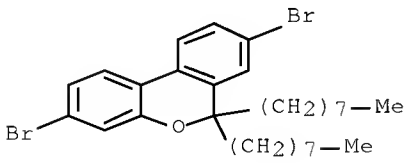
CRN 688013-82-3
CMF C34 H50 Br2 O2



CM 2

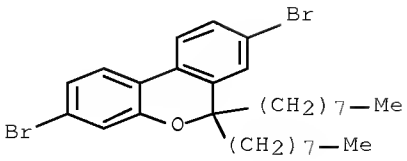
CRN 688013-66-3
CMF C29 H40 Br2 O



RN 688013-84-5 HCAPLUS
CN Benzenamine, N,N-bis(4-bromophenyl)-4-(1-methylpropyl)-, polymer with 3,8-dibromo-6,6-dioctyl-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

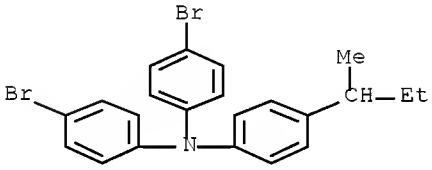
CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



CM 2

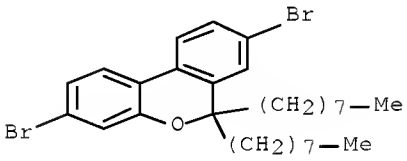
CRN 287976-94-7
CMF C22 H21 Br2 N



RN 688013-85-6 HCAPLUS
CN 1,4-Benzenediamine, N,N'-bis(4-bromophenyl)-N,N'-bis(4-butylphenyl)-, polymer with 3,8-dibromo-6,6-dioctyl-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

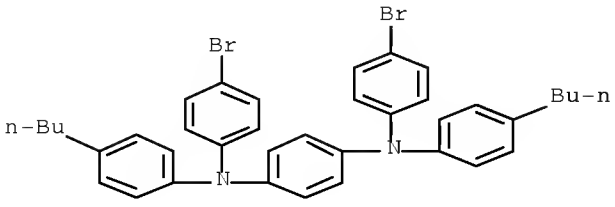
CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



CM 2

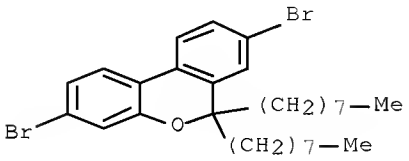
CRN 372200-89-0
CMF C38 H38 Br2 N2



RN 688013-85-6 HCAPLUS
CN 1,4-Benzenediamine, N,N'-bis(4-bromophenyl)-N,N'-bis(4-butylphenyl)-, polymer with 3,8-dibromo-6,6-dioctyl-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

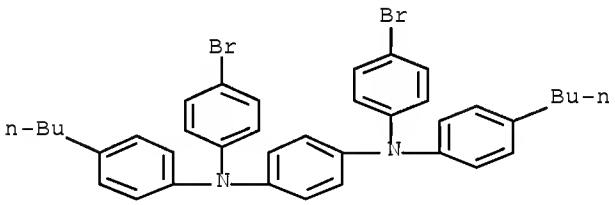
CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



CM 2

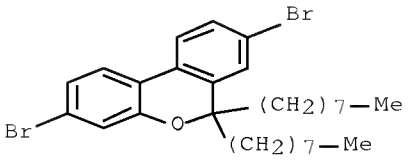
CRN 372200-89-0
CMF C38 H38 Br2 N2



RN 688013-86-7 HCAPLUS
CN 1,4-Benzenediamine, N,N'-bis(4-bromophenyl)-N,N'-bis(4-butylphenyl)-, polymer with 3,7-dibromo-2,8-bis(octyloxy)dibenzothiophene and 3,8-dibromo-6,6-dioctyl-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

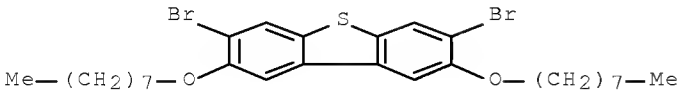
CM 1

CRN 688013-66-3
CMF C29 H40 Br2 O



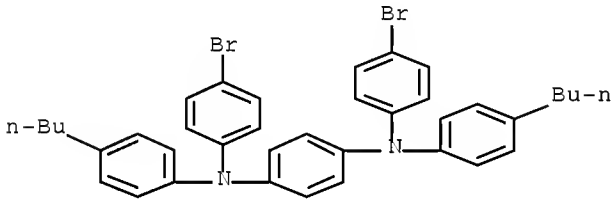
CM 2

CRN 599212-67-6
CMF C28 H38 Br2 O2 S



CM 3

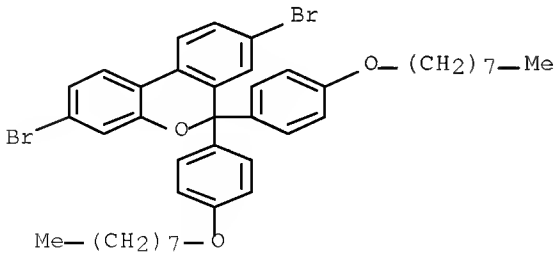
CRN 372200-89-0
CMF C38 H38 Br2 N2



RN 688013-87-8 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]-, homopolymer (9CI) (CA INDEX NAME)

CM 1

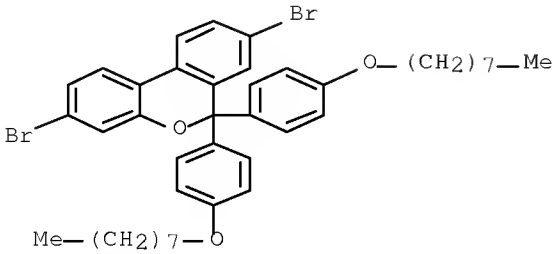
CRN 688013-69-6
CMF C41 H48 Br2 O3



RN 688013-88-9 HCAPLUS
CN 1,4-Benzenediamine, N,N'-bis(4-bromophenyl)-N,N'-bis(4-butylphenyl)-, polymer with 3,8-dibromo-6,6-bis[4-(octyloxy)phenyl]-6H-dibenzo[b,d]pyran (9CI) (CA INDEX NAME)

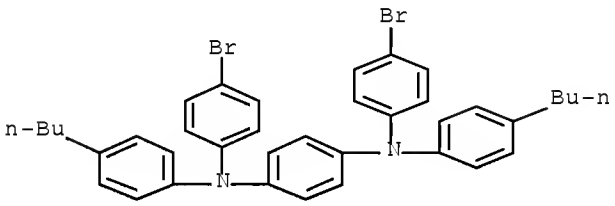
CM 1

CRN 688013-69-6
CMF C41 H48 Br2 O3



CM 2

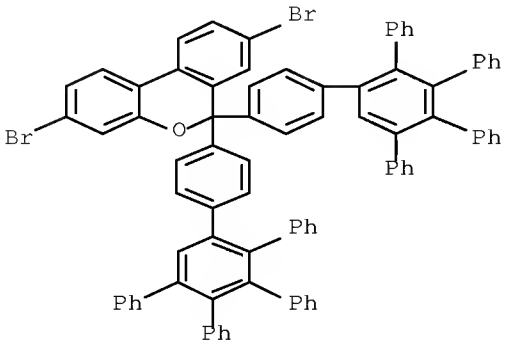
CRN 372200-89-0
CMF C38 H38 Br2 N2



RN 688013-89-0 HCAPLUS
CN 6H-Dibenzo[b,d]pyran, 3,8-dibromo-6,6-bis(3',4',5'-triphenyl[1,1':2',1''-terphenyl]-4-yl)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 688013-71-0
CMF C85 H56 Br2 O

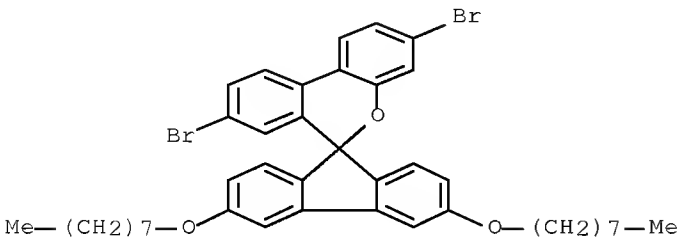


RN 688013-90-3 HCAPLUS
CN Spiro[6H-dibenzo[b,d]pyran-6,9'-[9H]fluorene],

3,8-dibromo-3',6'-bis(octyloxy)-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 688013-72-1
CMF C41 H46 Br2 O3



IC ICM C08G061-00
ICS C09K011-06; C09D011-00; C07C037-20; C07C039-367; H05B033-14; H05B033-22
CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 35, 73, 76
IT 18102-99-3P 23818-37-3P 688013-65-2P
688013-66-3P 688013-67-4P 688013-68-5P
688013-69-6P 688013-70-9P 688013-71-0P
688013-72-1P 688013-75-4P 688013-76-5P
688013-77-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(high-mol. compds. and polymer light emitting devices made by using the same)
IT 688013-78-7P 688013-79-8P 688013-80-1P
688013-81-2P 688013-83-4P 688013-84-5P
688013-85-6DP, p-Tolyl terminated 688013-85-6P
688013-86-7P 688013-87-8P 688013-88-9P
688013-89-0P 688013-90-3P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(high-mol. compds. and polymer light emitting devices made by using the same)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:794902 HCAPLUS Full-text
DOCUMENT NUMBER: 123:183661
ORIGINAL REFERENCE NO.: 123:32405a,32408a
TITLE: Functional thin film, production and application thereof
INVENTOR(S): Saji, Tetsuo
PATENT ASSIGNEE(S): Dainichiseika Color Chem., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07062594	A	19950307	JP 1993-234301 <--	19930827
JP 2825424	B2	19981118		

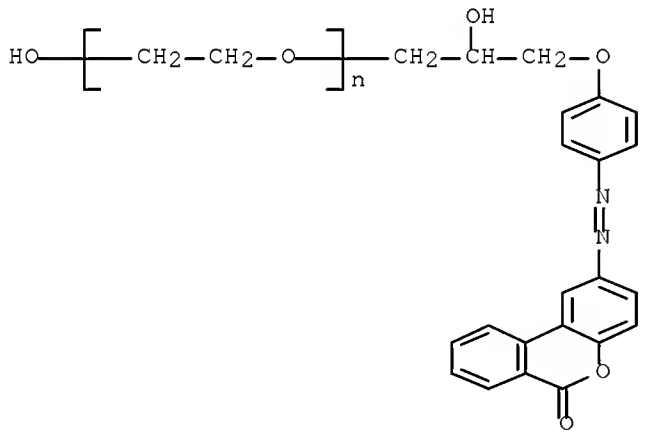
PRIORITY APPLN. INFO.: JP 1993-234301 <-- 19930827

AB The title film, useful for a color filter, electrophotog. device, photosensor, solar cell, electroluminescence device, optical recording device, optical nonlinear device, optoelectronic device, photochromic film, electrochromic film, gas sensor and ion sensor, is prepared by an electrochem. reduction of a surfactant containing an aromatic azo residue, dispersed in a water or water containing solvent. The title method requires min. or zero use of binder resin.

IT 167856-97-5
RL: DEV (Device component use); USES (Uses)
(functional thin film prepared by photochem. reduction of surfactant containing aromatic azo residue)

RN 167856-97-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[2-hydroxy-3-[4-[(6-oxo-6H-dibenzo[b,d]pyran-2-yl)azo]phenoxy]propyl]-ω-hydroxy- (9CI) (CA INDEX NAME)



IC ICM C25D009-08
ICS C25D013-04; G01N027-12; G01N027-333; G02B005-20; G02F001-15; G02F001-155; G02F001-17; G03G005-06; G11B007-26; H01L031-04

CC 74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
Section cross-reference(s): 52, 72, 73, 76

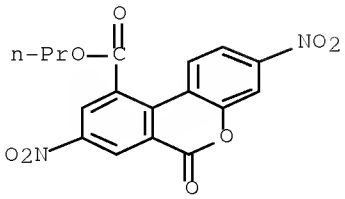
IT 156461-29-9 156461-30-2 167856-77-1 167856-78-2 167856-79-3
167856-80-6 167856-81-7 167856-82-8 167856-83-9 167856-84-0
167856-85-1 167856-86-2 167856-87-3 167856-88-4 167856-89-5
167856-90-8 167856-91-9 167856-92-0 167856-93-1 167856-94-2

167856-95-3 167856-96-4 167856-97-5 167856-98-6
167856-99-7 167857-00-3 167857-01-4 167857-02-5 167857-03-6
167857-04-7 167857-05-8 167857-06-9 167857-07-0 167857-08-1
167857-09-2 167857-10-5 167857-11-6 167857-12-7 167857-13-8
167857-14-9 167857-15-0 167857-16-1 167857-17-2 167857-18-3
167857-19-4 167857-20-7 167857-21-8 167857-22-9 167857-23-0
167857-24-1 167857-25-2 167857-26-3 167857-27-4 167857-28-5
167857-29-6 167857-30-9 167857-31-0 167857-32-1 167857-33-2
167857-34-3 167857-35-4 167857-36-5 167857-37-6 167857-38-7
167857-39-8 167857-40-1 167857-41-2 167857-42-3 167857-43-4
167857-44-5 167857-45-6 167857-46-7 167857-47-8 167857-48-9
167857-49-0 167857-50-3 167857-51-4 167857-52-5 167857-53-6
167857-54-7 167857-55-8 167857-56-9 167857-57-0 167857-58-1
167857-59-2 167857-60-5 167857-61-6 167857-62-7 167857-63-8
167857-64-9 167857-65-0 167857-66-1 167857-67-2 167857-68-3
167857-69-4 167857-70-7 167857-71-8 167857-72-9 167857-73-0
167857-74-1
RL: DEV (Device component use); USES (Uses)
(functional thin film prepared by photochem. reduction of surfactant containing aromatic azo residue)

L19 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:409541 HCAPLUS Full-text
DOCUMENT NUMBER: 115:9541
ORIGINAL REFERENCE NO.: 115:1859a,1862a
TITLE: Structural effects in the formation of intermolecular charge-transfer polymer complexes
AUTHOR(S): Tkachev, A. V.; Tverskoi, V. A.; Zubov, V. P.
CORPORATE SOURCE: Mosk. Inst. Tonkoi Khim. Tekhnol., Moscow, USSR
SOURCE: Vysokomolekulyarnye Soedineniya, Seriya A (1991), 33(2), 270-4
CODEN: VYSAAF; ISSN: 0507-5475
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB Formation and structure of charge-transfer complexes of dinitrodibenzopyranonyl group-containing Me hydroxypropyl siloxanes and dinitrofluorenonyl group-containing polymethacrylates with N-ethylcarbazole, poly(N-vinylcarbazole), and poly(N-epoxypropylcarbazole) was studied. In all cases complexes of the 1:1 composition were formed. The stability of the complexes depended on the structure of the macromol. chains, on the content of acceptor groups, and on the concentration and structure of the shielding groups. The comparison with complexes of low-mol.-weight model compds. was made.
IT 133959-56-5P 133977-15-8P
RL: PREP (Preparation)
(formation and structure of)
RN 133959-56-5 HCAPLUS
CN 6H-Dibenzo[b,d]pyran-10-carboxylic acid, 3,8-dinitro-6-oxo-, propyl ester, compd. with 9-(oxiranylmethyl)-9H-carbazole homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 133959-55-4
CMF C17 H12 N2 O8

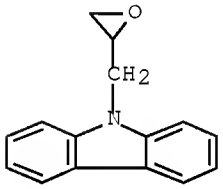


CM 2

CRN 55774-96-4
CMF (C15 H13 N O)x
CCI PMS

CM 3

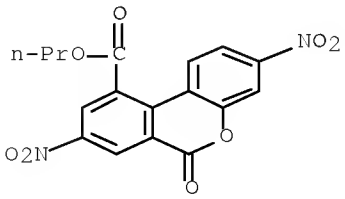
CRN 52131-82-5
CMF C15 H13 N O



RN 133977-15-8 HCAPLUS
CN 6H-Dibenzo[b,d]pyran-10-carboxylic acid, 3,8-dinitro-6-oxo-, propyl ester, compd. with 9-ethenyl-9H-carbazole homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 133959-55-4
CMF C17 H12 N2 O8

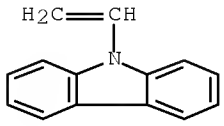


CM 2

CRN 25067-59-8
CMF (C14 H11 N)x
CCI PMS

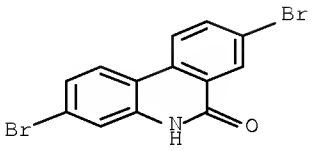
CM 3

CRN 1484-13-5
CMF C14 H11 N



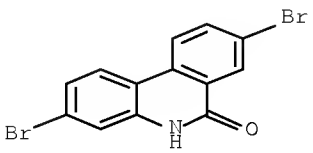
CC 35-8 (Chemistry of Synthetic High Polymers)
IT 86-28-2DP, N-Ethylcarbazole, charge-transfer complexes with hydroxypropyl Me, nitrodibenzopyranonyl group-containing siloxanes 25067-59-8DP, Poly(N-vinylcarbazole), charge-transfer complexes with hydroxypropyl Me, nitrodibenzopyranonyl group-containing siloxanes 55774-96-4DP, Poly(N-epoxypropylcarbazole), charge-transfer complexes with hydroxypropyl Me, nitrodibenzopyranonyl group-containing siloxanes 124959-80-4DP, reaction products with hydroxypropyl Me siloxanes, charge-transfer complexes with carbazole group-containing compds. 133959-56-5P 133959-58-7P 133959-59-8P 133959-62-3P 133977-15-8P 134072-43-8P 134072-44-9P 134096-78-9P 134096-79-0P 134096-80-3P 134096-81-4P 134096-82-5P 134288-45-2P 134288-62-3P 134288-63-4P 134288-64-5P
RL: PREP (Preparation)
(formation and structure of)

L19 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1970:435200 HCAPLUS Full-text
DOCUMENT NUMBER: 73:35200
ORIGINAL REFERENCE NO.: 73:5833a,5836a
TITLE: 6(5H)-phenanthridinones. III. Halo-6(5H)phenanthridinones(1,2)
AUTHOR(S): Pan, Hsi-Lung; Fletcher, T. Lloyd
CORPORATE SOURCE: Sch. of Med., Univ. of Washington, Seattle, WA, USA
SOURCE: Journal of Heterocyclic Chemistry (1970), 7(3), 597-605
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Halogenation of 6(5H)-phenanthridinone or its 3,8-dihalo derivs. with N-bromo- or N-chlorosuccinimide in DMF gives the corresponding 2-halophenanthridinones. Further halogenation of 2-halo-6(5H)-phenanthridinone with the appropriate N-halosuccinimide, in the same medium, gives the corresponding 2,4-dihalo derivs. 1,3,8-Trihalo-6(5H)-phenanthridinones are prepared from the 1-nitro derivs., which are obtained by a Schmidt rearrangement of 2,7-dihalo-4-nitro-9-oxofluorenes. Similarly, rearrangement and further reaction of 2-nitro-5-chloro-9-oxofluorene leads to 3,10-dichloro-6(5H)-phenanthridinone.
IT 23818-37-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 23818-37-3 HCAPLUS
CN 6(5H)-Phenanthridinone, 3,8-dibromo- (CA INDEX NAME)



CC 27 (Heterocyclic Compounds (One Hetero Atom))
IT 6955-64-2P 22771-43-3P 23818-35-1P 23818-37-3P
23818-38-4P 23818-40-8P 23818-41-9P 23818-43-1P 23818-44-2P
23827-02-3P 23827-03-4P 27282-46-8P 27353-44-2P 27353-46-4P
27353-47-5P 27353-48-6P 27353-49-7P 27353-50-0P 27353-51-1P
27353-52-2P 27353-53-3P 27353-54-4P 27353-55-5P 27353-56-6P
27353-57-7P 27353-58-8P 27353-59-9P 27353-61-3P 27353-62-4P
27353-63-5P 27375-01-5P 27375-02-6P 27375-03-7P 27375-04-8P
27375-05-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

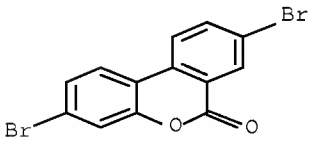
L19 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1969:491236 HCAPLUS Full-text
DOCUMENT NUMBER: 71:91236
ORIGINAL REFERENCE NO.: 71:16971a,16974a
TITLE: Derivatives of fluorene. XXX. Rearrangement and antitumor activities of some 9-oxofluorene oximes. 6(5H)-phenanthridinones. 1
AUTHOR(S): Pan, Hsi-Lung; Fletcher, T. Lloyd
CORPORATE SOURCE: Sch. of Med., Univ. of Washington, Seattle, WA, USA
SOURCE: Journal of Medicinal Chemistry (1969), 12(5), 822-5
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Rearrangement of 9-oxofluorene oximes in polyphosphoric acid (PPA) to the corresponding 6(5H)-phenanthridinones (I) is described. Reaction of 1-iodo- and 1-nitro-9-oxofluorene oxime with PPA gave, instead of the expected phenanthridinones, the corresponding 9-oxofluorenes. Results of screening for antitumor activities are presented.
IT 23818-37-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 23818-37-3 HCAPLUS
CN 6(5H)-Phenanthridinone, 3,8-dibromo- (CA INDEX NAME)



CC 27 (Heterocyclic Compounds (One Hetero Atom))
IT 22771-43-3P 22771-52-4P 22771-53-5P 22771-54-6P 22771-55-7P
22860-48-6P 23818-21-5P 23818-23-7P 23818-24-8P 23818-25-9P

23818-26-0P 23818-28-2P 23818-29-3P 23818-30-6P 23818-31-7P
23818-34-0P 23818-35-1P 23818-37-3P 23818-38-4P
23818-39-5P 23818-40-8P 23818-41-9P 23818-42-0P 23818-43-1P
23818-44-2P 23827-02-3P 23827-03-4P 23842-56-0P 23842-57-1P
23842-58-2P 23842-59-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

L19 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1968:104896 HCAPLUS Full-text
DOCUMENT NUMBER: 68:104896
ORIGINAL REFERENCE NO.: 68:20235a,20238a
TITLE: Persulfate oxidation of carboxylic acids. III. Oxidation of cis-cinnamic and biphenyl-2-carboxylic acids
AUTHOR(S): Brown, Patricia Margaret; Russell, James; Thomson, Ronald H.; Wylie, A. G.
CORPORATE SOURCE: Univ. Aberdeen, Aberdeen, UK
SOURCE: Journal of the Chemical Society [Section] C: Organic (1968), (7), 842-8
CODEN: JSOOAX; ISSN: 0022-4952
DOCUMENT TYPE: Journal
LANGUAGE: English
AB 3,4-Benzocoumarins were obtained by oxidative cyclization of biphenyl-2-carboxylic acids. The parent benzocoumarin was also formed by oxidation of 2'-substituted acids with elimination of the substituent (OMe, NO2, and CO2H and in low yield Me and Cl) but 2'-benzoylbiphenyl-2-carboxylic acid gave 5-benzoyl-3,4-benzocoumarin and 2'-cyanobiphenyl-2-carboxylic acid yielded fluorenone and phenanthridine-1,10-carbolactone. Similar oxidns. of cis-cinnamic acids gave poor yields of coumarins, markedly increased by the presence of an o-methoxy group. The mechanisms of these reactions are discussed. 47 references.
IT 18102-99-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 18102-99-3 HCAPLUS
CN 6H-Dibenzo[b,d]pyran-6-one, 3,8-dibromo- (CA INDEX NAME)



CC 27 (Heterocyclic Compounds (One Hetero Atom))
IT 486-25-9P 4733-28-2P 7079-15-4P 7111-77-5P 14498-95-4P
18102-99-3P 18110-71-9P 18110-73-1P 18110-74-2P
18110-75-3P 18110-76-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

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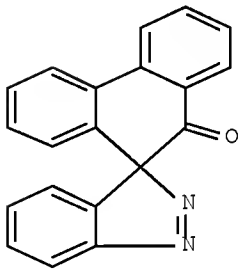
L26 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1973:453226 HCAPLUS Full-text
DOCUMENT NUMBER: 79:53226

ORIGINAL REFERENCE NO.: 79:8591a,8594a
TITLE: Rearrangement, extrusion, and polymerization reactions upon addition of acetylenes to 3-diazooxindole and six-membered ring α-diazo ketones
AUTHOR(S): Yamazaki, Tsuneyoshi; Shechter, Harold
CORPORATE SOURCE: Dep. Chem., Ohio State Univ., Columbus, OH, USA
SOURCE: Tetrahedron Letters (1973), (16), 1417-20
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The diazoindolone (I) with benzyne gave the indazole (II) by rearrangement of the spiro intermediate (III). I reacted similarly with MeO2CC.tplbond.CCO2Me. 9,10-Dihydro-10-diazo-9-phenanthrone (IV) and 2-diazocyclohexanone (V) also underwent cycloaddn. with benzyne. IV gave a stable spiroindazole, whereas the compound isolated from the reaction with V was a dimer of the spiroindazole rearrangement product.
IT 41976-17-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 41976-17-4 HCAPLUS
CN Spiro[3H-indazole-3,9'(10'H)-phenanthren]-10'-one, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 41940-29-8
CMF C20 H12 N2 O



CC 28-9 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 24, 26, 27
IT 201-68-3P 41940-20-9P 41940-21-0P 41940-23-2P 41940-24-3P
41940-25-4P 41940-26-5P 41940-27-6P 41940-29-8P 41940-31-2P
41940-32-3P 41940-33-4P 41940-35-6P 41940-36-7P
41976-17-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

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